



Safety data sheet in compliance with regulation (EC) no. 1907/2006 (REACH)

Date: 09/1999

Name: **Turmosynthoil Series GV**

(GV 10, 15, 22, 32, 46, 68, 100, 150, 220, 320, 460, 680, 1000)

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1. Commercial product name and company identification:

Trade name: **Turmosynthoil Series GV 10, 15, 22, 32, 46, 68, 100, 150, 220, 320, 460, 680, 1000**

Intended use: Application as lubricant

Company: LUBRICANT CONSULT GMBH
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2. Hazards identification:

The product when properly handled is not dangerous for the human health.
Harmful effects are expected only in case of misuse especially in case of thermal decomposition.

3. Composition / Information on ingredients:

Combination of synthetic hydrocarbons (SHC) and additives.

4. First aid measures:

Skin contact: Wash with water and soap. Remove contaminated clothing.
Eye contact: Flush with plenty of water for at least 15 minutes. See a physician* if the eye irritation remains.
Ingestion: See a physician* if necessary. Do not induce vomiting.
Inhalation: Remove the patient to fresh air.

*Show the physician this safety data sheet.

5. Fire fighting measures:

Suitable extinguishing media: dry chemicals, powder, foams, carbon dioxide
Do not use water.
In the case of fire, the vapour can involve toxic compounds (carbon monoxide).
Use a respirator to protect from vapours.

6. Accidental release measures:

Absorb small amounts on inert material. Collect the released product and the used absorbent materials in suitable containers for disposal (see sect. 13). Hold back large amounts of liquids by embankment (mound of earth, sand or other inert materials). Use pumps or call the fire-brigade, if necessary. Avoid the uncontrolled discharge in sewage systems, in surface and underground waters.
Do not smoke while handling with released liquids. Avoid the contact with fire and sparks.



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7. Handling and store measures:

Store in cool and dry areas. Protect from water and wetting.
Keeping quality in original drums for the storage conditions mentioned above: minimum 5 years.
If the oil is exposed to high temperatures, good ventilation in the working areas is commendable.
Do not eat, drink and smoke in working areas.

8. Exposure control / Personal protection:

Hand protection: Not necessary in normal use. When often handling the product wear rubber gloves (e.g. made of latex for permanent use more than 30 minutes or butyl-rubber for permanent use more than 8 hours).

Respiratory protection: Not necessary in normal use. Avoid breathing the vapours above the decomposition temperature.

Eye protection: Not necessary in normal use.

9. Physical and chemical properties:

Physical state:	liquid	
Colour:	colourless or light yellow	
Odour:	very weak	
Pourpoint:	< - 25°C (< - 13°F)	DIN ISO 3016
Boiling point:	> 250°C (> 480°F)	
Density:	0,825-0,852 g/cm ³	at 20°C (68°F) DIN 51 757
Vapour pressure:	< 0,1 mbar	at 20°C (68°F)
Viscosity:	10 to 1000 mm ² /s	at 40°C (104°F) DIN EN ISO 3104
Solubility in water:	practically insoluble	
pH-value:	not determined	
Flash point:	> 200°C (> 390°F)	DIN EN ISO 2592
Ignition temperature:	> 250°C (> 480°F)	
Explosion limits:	lower: 0,6 Vol-%	upper: 7,0 Vol-% (for oil mist)

10. Stability and reactivity:

Thermal decomposition: > 200°C (> 390°F)

Hazardous decomposition products: No decomposition under normal storage and handling conditions.

In the case of misuse at temperatures above the decomposition temperature harmful vapours (crack products or carbon monoxide) may arise from the product.

Materials to avoid contact: strong oxidising agents (compressed or liquid oxygen).

11. Toxicological information:

Experimental toxicological data.

oral: LD₅₀ >15 000 mg/kg (rat)

dermal: LD₅₀ >5000 mg/kg (rabbit)

Turmosynthoil Series GV (except Turmosynthoil GV 10 and GV 15) are registered by NSF International for incidental food contact (H1-Registration).



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11. Toxicological information (continuation):

Turmosynthoil GV 10 and GV 15 are not registered as independent formulations. But all ingredients are the same as these of the rest of this product line.

Turmosynthoil Series GV when properly handled are not dangerous for human health.

Turmosynthoil Series GV have no known effects of irritation, sensitisation, chronic toxicity or carcinogenesis (Based on data from components).

12. Ecotoxicological information:

Use the product according to the good working practices avoiding polluting the environment.

Water Pollution Class WGK 1: Slightly water endangering (Classification according to German VwVwS from May, 1999): Avoid the contamination of soil and water.

13. Disposal considerations:

Send the waste product to authorised plants according to local laws and regulations or destroy it by incineration.

Turmosynthoil Series GV contain no halogens and no toxic metals.

LAGA- Waste code number (Germany)*:

544 01 for synthetic coolants and lubricants.

542 09 for solid materials contaminated with grease or oil.

EWC- Waste code number (European Community):

13 02 02 for used motor, gear and lubrication oils, free from chlorinated compounds.

15 02 99 D1 for used absorbent and filter materials, cleaning rags and protection clothes contaminated with grease or oil.

17 02 99 D1 for wood, glass and plastics containing grease or oil (for example: residuals of lubricants in plastic cans).

The indicated EWC-Waste code numbers should be considered only as recommendation (orientation). Because the system of the European Waste Catalogue (EWC) does not differ between substantial criteria, but uses branch-oriented code numbers. Depending on the kind of company, in which the waste was generated, also other EWC-Waste code numbers may be the case. The correct EWC-Waste code numbers should be harmonised between the consumer, public authorities and the waste management company according to the European Waste Catalogue.

*All LAGA-Waste code numbers are invalid since 1999.

14. Transport information:

The product is not dangerous for transportation

Road transportation: (ADR) not classified

Rail transportation: (RID) not classified

Sea transportation: IMDG / IMO not classified

Air transportation: ICAO / IATA not classified

U.N.-number: not assigned

Packaging group: not assigned



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15. Regulatory information:

No regulation and classification according to EEC directives necessary.

No labelling with hazard symbols.

The product does not contain any volatile organic compounds listed in the VOC Substance Catalogue of Switzerland (appendix 1 of the edition of November 12th, 1997) or listed in VOC (TRGS 220; 31. BImSch).

Aquatic toxicity: 1 (=German water hazard classification)

16. Further Information:

The information given in this safety data sheet is for safety purpose only. It is given in good faith and based on the best knowledge and experience of the company at the date of issuing. The company is not responsible for damages caused by the use of the product in applications for which it was not intended or for conditions of use outside its control. All data refer to the products in the delivering condition.

Former versions of this safety data sheet are no longer valid.